

We Claim:

1. A device for sucking up particles to be collected, the device comprising:

at least one collection chamber for accumulating the particles;

a suction device;

at least one reception chamber storing said suction device;

a partition separating said collection chamber from said reception chamber and having a partition surface, said partition having an entry orifice formed therein for channeling an air stream from said collection chamber to said suction device, said entry orifice of said partition coupling said collection chamber to said suction device in said reception chamber; and

an air guide funnel having an entry surface forming a part of said partition surface.

2. The device according to claim 1, wherein said air guide funnel is provided, with respect to said entry surface, in said partition such that an approximately straight suction air

stream is provided from said collection chamber to said suction device in said reception chamber.

3. The device according to claim 1, wherein said entry surface of said air guide funnel is a substantially rectangular entry surface on a same side as said collection chamber.

4. The device according to claim 1, wherein said air guide funnel narrows largely continuously in a direction of said suction device.

5. The device according to claim 1, wherein:

said suction device has a blower with an entry orifice formed therein; and

said air guide funnel has an exit surface having a substantially circular configuration and a diameter corresponding substantially to said entry orifice of said blower of said suction device.

6. The device according to claim 1, wherein said air guide funnel is integrated as an independent structural part into said partition.

7. The device according to claim 1, wherein said partition and said air guide funnel form a one-piece jointly produced structural part.

8. The device according to claim 1, wherein said air guide funnel has a funnel bottom and an intervention guard element projecting in a direction of said collection chamber disposed in said funnel bottom.

9. The device according to claim 8, wherein said intervention guard element is a dome-shaped ribbed body having gaps formed therein for a largely unobstructed routing of the air stream from said collection space through to said suction device.

10. The device according to claim 1, further comprising a filter bag disposed in said collection space for accumulating the particles.

11. The device according to claim 1, further comprising at least one additional filter element for purifying the air stream from said collection chamber to said suction device, said additional filter element is disposed upstream of said entry surface of said air guide funnel.

12. A floor vacuum cleaner, comprising:

at least one collection chamber for accumulating particles;

a suction device;

at least one reception chamber receiving said suction device;

a partition separating said collection chamber from said reception chamber and having a partition surface, said partition having an entry orifice formed therein for an air stream from said collection chamber to said suction device, said entry orifice of said partition coupling said collection chamber to said suction device in said reception chamber; and

an air guide funnel having an entry surface forming a part of said partition surface.